

Abstracts

Accurate modeling of thin conducting layers in FDTD

S. Van den Berghe, F. Olyslager and D. De Zutter. "Accurate modeling of thin conducting layers in FDTD." 1998 Microwave and Guided Wave Letters 8.2 (Feb. 1998 [MGWL]): 75-77.

In recent papers the surface impedance condition is proposed to incorporate the effect of high conductivity of a material. This condition only takes the reflection at materials into account; the transmission through very thin layers is not considered. In this work, we introduce a similar approach to model both reflection and transmission when confronted with a thin layer of good, but not perfectly, conducting material.

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